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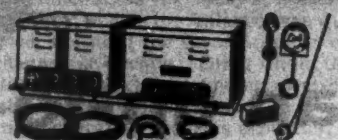
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| <p>15 "GALILEO" CIRCUITS Built-in resistor and capacitor networks. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 SOLDER CONSUMERS 0.0001 to 1 to 1000. 1000's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 RESISTOR SPECIAL W.W. & carbon. Precision. 1000's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>30 POWER RESISTORS 5 to 50W to 10,000. 1000's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 TUBE GRINDER TUBE. Dismantles of radio detection units. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 TRANSISTOR Mini-consumers. 0.0001 to 0.1. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 HALF WATTERS Resistors. 10 to 50W. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>15 "GRAIN-O-WHEAT" Capacitors. 1 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 MICA CONDENSERS 0.0001 to 0.1 to 1000. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 TUBE WATTERS 10 to 50W. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 STAY SWITCHES 1 to 10. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>10 VOLUME CONTROLS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 SLIDING BATTERY Constant power from 1 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> | <p>20 TUBE WATTERS 10 to 50W. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 ARTISTS BRUSHES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 MICA CONDENSERS 0.0001 to 0.1 to 1000. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 TUBE GRINDER TUBE. Dismantles of radio detection units. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 TRANSISTOR Mini-consumers. 0.0001 to 0.1. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 HALF WATTERS Resistors. 10 to 50W. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>15 "GRAIN-O-WHEAT" Capacitors. 1 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>40 MICA CONDENSERS 0.0001 to 0.1 to 1000. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 TUBE WATTERS 10 to 50W. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 STAY SWITCHES 1 to 10. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>10 VOLUME CONTROLS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 SLIDING BATTERY Constant power from 1 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> | <p>20 CONSUMER SPECIAL Last model, special. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>5 SOLDER BRUSHES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>1000 PCB HARDWARE 1000's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 TUBE STRIPS For experimental & shop work. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 TUBE SOCKETS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 PLATE LIVES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>20 BNC CONSUMERS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>15 "POLY PAKETTES" Last, poly, 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>10 ELECTROLYTICS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 CERAMIC CONSUMER SPECIAL Last, 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>70 ONE WATTERS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> | <p>POSTAGE STAMP DUKE Crystal, 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>5 SILICON DIODES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>50 COILS & CHOKES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>15 MOORE CLOCK 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>50 PLUGS & SCREWS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>15 POLY VIALS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>CRYSTAL PAGES 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>WORLD'S SMALLEST RADIO 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>100 RESISTORS 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>10-IN-1 PAKETTE 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> <p>TRANSFORMER RADIO BASIC 10 to 100. 100's of uses. Reg. \$15.00. Wt. 1 lb. Reg. \$15.00.</p> |
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GENERAL

CITIZENS BAND

- Build This Citizens Band Transceiver (Stoner)..... 49 Mar.
- Citizens Band Transceiver Kit (Lab Tested)..... 60 Nov.
- Compact Beam for the Citizens Band (Smith)..... 44 Nov.
- FCC Answers Our Questions on Citizens Band..... 41 Sept.
- FCC Information on the Citizens Radio Service..... 130 June
- Hand-Held Citizens Band Transceiver (Price & Overlay)..... 43 Dec.
- License Not Needed for Citizens Radio Adjustments..... 84 Dec.
- New Citizens Band Equipment..... 68 Aug.
- Versatile Citizens Radio Transmitter (Smith)..... 48 Aug.
- Violations of Citizens Radio Regulations..... 106 Nov.

COMPUTERS & COUNTERS

- How Ring Counters Work (Bukstein)..... 44 Mar.
- Numbers Systems and Codes (Bukstein)..... 60 Nov.
- Readouts and Counter Tubes (Bukstein)..... 57 Oct.

CONSTRUCTION PROJECTS

- Automatic "Talk Squelcher" for Your Radio (Gaskill)..... 60 Apr.
- Compact Electronic Photoflash (Comfor)..... 40 July
- Experimental Transistor Motor Control (Reed)..... 46 May
- Photoplastic Special Dials (Ives)..... 127 Jan.
- Portable Transistor Intercom (Kernin)..... 54 June
- "Strobolyzer"—A High-Intensity Stroboscopic Analyzer (Fender)..... 57 Dec.
- Telephone Intercoms for Home or Shop (Carlingella & Clark)..... 50 Sept.
- Transistorized "Fish-Finder" (Cover Story) (Mitchell)..... 42 Aug.
- Transistorized Photoflash (Liljedahl)..... 49 Feb.
- Tube-Transistor "Carrier Switch" (Stone)..... 64 Oct.
- Wireless Neighborhood Baby Sitter (Richardson, Jr.)..... 63 July

INDUSTRY

- All-American Service Technician Awards: 1958..... 54 Jan.
- Canadian Market for Low-Power Radiophones (Kitchen)..... 155 Oct.
- Cover Story..... 39 Feb.
- Dielectric Heating (Rothstein & Buchsbaum)..... 37 Dec.
- EIA Asks Investigation of Transistor Imports..... 99 Dec.
- Gasoline-Fume Detector Uses Infrared..... 106 Oct.
- Induction Heating (McCook & Buchsbaum)..... 35 May
- Infrared—A New Field of Electronics and Optics (Bernard & Battenkam)..... 37 Mar.
- Melting Silicon for Semiconductors (Cover Story)..... 39 May
- Phosphors and Their Uses (Fortney)..... Dec. 50 & 51
- Preserving & Cooking Food With Electronics (Buchsbaum)..... 37 Nov.
- Ultrasonics—and Its Uses (Rod)..... 37 Feb.

MISCELLANEOUS

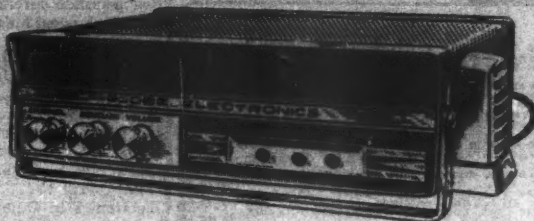
- Career Opportunities in Electronics (Buchsbaum)..... 37 Sept.
- Color Codes Chart..... 51-52 July
- Cover Story..... 32 June
- Direction Finders for the Boatman (Link)..... 29 June
- Electrical Shock: Fact and Fiction (Peters)..... 40 May
- Eliminating Shock Hazards (Greenfield)..... 56 Aug.
- Facts About Lightning Protection (Silver)..... 36 July

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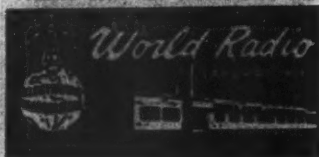
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COLOR

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| Color TV Service: Fact and Fiction (Mohan)..... | 44 Feb. |
| New Color TV Design Makes Its Debut..... | 106 July |
| New TV Projector Makes Giant Color Picture..... | 85 Mar. |

MISCELLANEOUS

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|---|-----------|
| Innovation in Plated Circuitry..... | 100 Oct. |
| New Picture Tube has Built-in Safety Glass..... | 117 Apr. |
| New TV Designs for 1959 (Buchabaum)..... | 54 Apr. |
| Pay-TV Today (Bernachn)..... | 144 Sept. |
| RCA Puts Rebuilt Picture Tubes on the Market..... | 105 Feb. |
| Replacement Parts—Standard or Special? (Buchabaum)..... | 72 Mar. |
| Super-Sensitive TV Camera Tube..... | 94 Aug. |
| Transatlantic TV via Phone Cable..... | 99 Sept. |
| Transistorized Midget TV..... | 105 Jan. |
| TV Service—and the Ladies (Rosen)..... | 44 June |
| TV Service is NO Gravy Train (Silver)..... | 57 Feb. |
| You Can Buy This Transistorized TV..... | 56 July |

SERVICE ASSOCIATIONS

Service Association of the Month: Asan. Radio & TV Servicemen of Ill. 100, Jan.; Indiana Electronic Service Assn. 156, Feb.; TEA of San Antonio, Tex. 90, Mar.; ESFETA 102, May; BEST of Ariz. 102, June.

SERVICE NOTES

| | |
|---|------------|
| Another Day in the Shop (Eldridge)..... | 132 May |
| Are You "Alignment Happy?" (Bramham)..... | 47 Nov. |
| Aspects of Hum (Gary)..... | 94 Sept. |
| Cover Story..... | 51 Nov. |
| Defects in the Horizontal Oscillator (Buchabaum)..... | 40 Apr. |
| Defects in the Sync Section (Buchabaum)..... | 50 Apr. |
| Fix Those Printed-Board Defects (Lawrence)..... | 54 Dec. |
| "I'm Sure It's Just a Tube" (Hust)..... | 68 Feb. |
| Novel TV Circuit Improvements (Martin)..... | 46 June |
| Printed Boards: Roadblocks or Road Maps?..... | 50 Nov. |
| Problems in Horizontal Blanking (Dines)..... | 70 Jan. |
| Problems in TVI Localization..... | 55 Mar. |
| Problems with Spurious Oscillation (Heller)..... | 57 Sept. |
| Quadrature FM Detectors: Function and Failure (Bramham)..... | 118 Dec. |
| Service Notes 144, Jan.; 154, Feb.; 129, Mar.; 140, Apr.; 142, May; 98, July; 86, Aug.; 132, Oct.; 96, Nov.; 86, Dec. 124 | |
| Servicing with Your Eyes (Bramham)..... | 66 Sept. |
| Tame TV "Dogs" with Technique (Smith)..... | 58 July |
| Test Bench Puzzler: No. 4 (Lemons)..... | 102 Jan. |
| Test Bench Puzzler: No. 5 (Eldridge)..... | 164 Mar. |
| Test Bench Puzzler: No. 6 (Margolis)..... | 154 Apr. |
| Those Marginal TV Defects (Buchabaum)..... | 42 June |
| Troubleshooting Guide to CRT Defects (Special Chart) (Heller)..... | 53-54 July |
| TV Schematics for 1959 (Motorola TS-552, General Electric U3, RCA KCS124C, D, E, F, H, I, K, & L Chomsa)..... | 74-79 Apr. |

TEST EQUIPMENT

AMATEUR

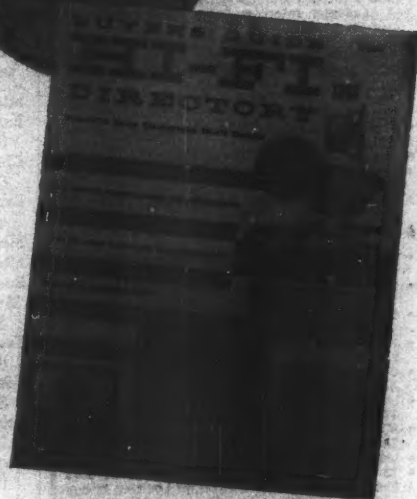
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| Transistorized Frequency Meter (Fox, WIKFO)..... | 40 Feb. |
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AUDIO

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- CBS Sig. Bar Gen. (60 CPS to 15,750 CPS) Model A. \$89.00
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- KC-221 Army Freq. Meter (125 to 20,000 KCS) \$85.00
- LM Power Supply 115 VAC 60 CPS \$38.00
- TS-175/U (85 to 1000 MCS) Freq. Meter \$175.00
- Shallice Model 621-A Per-Cut Limiting Bridge \$80.00
- RCA WR-94B 12 Channel TV Sweep Osc. \$45.00
- Sperry Microline Klystron Sig. Source-Model 444 \$298.00
- GE 3500 VDC Deluxe Bench Lab Power Supply \$150.00
- TM-16 Tuning Unit for APR-4 Receivers, etc. (38 to 95 MCS) \$18.00
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Tested) 124 Jan.
Stereo Sound Balance (Reed)..... 42 July

AM-FM

- Compact, Low-Ripple Radio Battery Eliminator (Loebenstein)..... 41 Jan.
- Dynamic Transistor Checker..... 162 Oct.
- Expanded-Range A.C. Voltmeter (Lederer)..... 69 July
- Generating Test Signals with Crystals (Herriman)..... 66 May
- Meter Zero Suppression with Zener Diodes (Snedeker)..... 71 Sept.
- New Jobs for Tube Pins (Russell)... 53 Oct.
- Preamp for Your Meter (Jasper)... 132 Sept.
- Protection for Your Meter Movement (Pruitt)..... 116 Aug.

MISCELLANEOUS

- Build an Accurate Pulse Timer (Stone)..... 96 July
- Check Inductors with a Test Probe (Winklepleck)..... 66 Aug.
- Evaluating an Oscilloscope (Anderson)..... 33 June
- Mac's Service Shop (Frye)..... 52 Mar.
- Mac's Service Shop (Frye)..... 66 Oct.
- Special Test Instruments..... 64 Apr.
- "Strobolyzer"—A High-Intensity Stroboscopic Analyzer (Fender)... 57 Dec.
- Test Equipment for the Basic Shop (Frye)..... 70 Apr.
- Test Equipment for the Complete Shop (Gary)..... 37 Apr.
- Transistorized Tachometer (Small & Brady)..... 42 Jan.
- Transistor-Regulated Power Supply (Vogelgesang)..... 60 June

TELEVISION

- Improving the Rainbow Generator (Libes)..... 52 Sept.
- Transistor Tone Generator (Winklepleck)..... 108 Feb.
- 2-Transistor Scope Trace Switch (Churchack)..... 86 Feb.
- "Voltage Minder" (Bryce)..... 180 Feb.

MARS SCHEDULES FOR DECEMBER

The First Army MARS SSD Technical Net, which operates on 4030 kc. upper sideband, Wednesdays at 9 p.m. (EST), has announced the following speakers for December.

Dec. 2—"Technical Aspects of Satellite Communications" by L. Smiles, Brooklyn Polytechnical Institute.

Dec. 9—"The Trans-Atlantic Submarine Telephone Cable" by H. West, AT&T.

Dec. 16—"Determination of Percent Success Expectable in High Frequency Radio Transmissions" by G. Krause, U. S. Army Signal Radio Propagation Agency, Fort Monmouth.

Dec. 23—"FM Forward Scatter Tropospheric Communications Systems" by J. Lowman, Radio Engineering Labs, Inc.

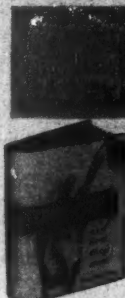
Dec. 30—"Coaxial Cable" By M. Farber, Times Wire & Cable Company.

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- Page 38, 39, 40 (Figs. 1, 2, 10, 11, 12) The Thermatron Company
- 38 (Fig. 4)..... National Optical Res. Co.
- 38, 39 (Figs. 2, 3)..... Erdes Engineering Corp.
- 39 (Fig. 5)..... Allen-Chalmers Sig. Co.
- 41, 123..... Institute of High-Fidelity Manufacturers
- 110..... Technical Appliance Corp.

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